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September 27, 2005

Project No. 08BP.06021.05

Monitoring Well Clerk
County of San Diego, Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Subject: Well Destruction Report
ARCO Facility No. 6021
1801 South Coast Highway
Oceanside, California 92054
APN 153-271-19, -22, -25, and 153-113-08-00
SAM Case No. H20616-002
Well Permit No. LMON103042

Dear Madam or Sir:

SECOR International Incorporated (SECOR), on behalf of Atlantic Richfield Company, destroyed 15 of the 21 groundwater monitoring wells at the referenced site (Figure 1) under the permit number LMON103042 issued by the County of San Diego Department of Environmental Health (DEH). A site plan and a copy of the well permit cover sheet are attached. Details of the well destructions are presented below.

SECOR observed Gregg Drilling & Testing, Inc. (Gregg) during well destruction activities. Twelve on-site wells (designated MW-2 through MW-4, MW-6, MW-9, SP-1, SP-2, SV-4, SV-6, VW-1, and VW-2) and four off-site wells (designated MW-7, MW-8, MW-10, and MW-11) were destroyed during the period from August 1 through August 5, 2005. Due to utility proximity to six remaining wells (MW-5, MW-12, SV-2, SV-3, SV-5, and SV-7), these wells require additional efforts to verify adequate clearance prior to commencing with overdrilling activities. A separate permit application will be submitted prior to destroying these wells.

Gregg used a Mobile Drill B61 truck-mounted drill rig, equipped with 8-inch and 10-inch outer diameter (OD) hollow-stem augers to remove the annular materials from the wells. Well materials were removed by overdrilling. The boreholes were backfilled with grout (which was placed using the tremie method) from the bottom of each borehole and topped with hydrated bentonite chips to approximately three feet below ground surface. The top three feet were filled with concrete to the level of the surrounding ground surface. Off-site wells MW-8 and MW-10 in a public right-of-way, were completed with approximately 3 feet of concrete, and subsequently re-surfaced with hot-patch asphaltic-concrete per City of Oceanside Engineering Department specifications.

The approximate quantities of materials used to backfill the boreholes were as follows:

Well Number	Boring Depth (feet bgs)	Well Depth (feet bgs)	Hydrated Bentonite Grout (cubic feet)	Hydrated Bentonite Chips (cubic feet)	Concrete (cubic feet)
MW-2	30.5	30	18.7	1.9	1.2
MW-3	33	31.5	20.8	2.3	1.2
MW-4	33	31.5	16.6	2.3	1.2
MW-6	30.5	30	16.6	0.8	1.2
MW-7	30.5	30	16.6	0.8	1.2
MW-8	30.5	30	16.6	0.4	1.2
MW-9	30.5	30	20.8	3.0	1.2
MW-10	30.5	30	20.8	0.4	1.2
MW-11	30.5	30	22.8	1.5	1.2
SP-1	35.5	34.5	16.6	0.8	1.2
SP -2	35	34.5	16.6	0.8	2.4
SV-4	35.5	35	24.9	1.5	1.2
SV-6	35.5	35	22.8	1.5	2.4
VW-1	21.5	21	16.6	0.8	1.2
VW-2	21.5	21	16.6	0.4	1.2

Feet bgs= feet below ground surface

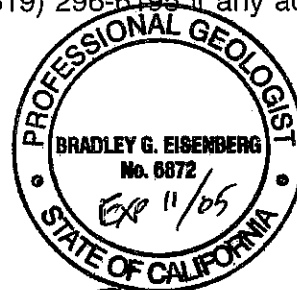
Six wells (MW-5, MW-12, SV-2, SV-3, SV-5, and SV-7) out of the original 21 permitted for destruction are located within close proximity to underground utilities and therefore were not overdrilled prior to the deadline of the permit (Figure 1). These six wells require more extensive clearance prior to overdrilling, in general accordance with State regulations. SECOR is attempting to obtain necessary approvals from applicable utility companies prior to using mechanical means (drilling with a hollow-stem auger rig) to destroy these wells, as applicable. SECOR is requesting a refund fee for these six wells. A new permit will be acquired for destruction of these wells. Please contact the undersigned at (619) 296-6195 if any additional information is required.

Respectfully submitted,

SECOR International Incorporated

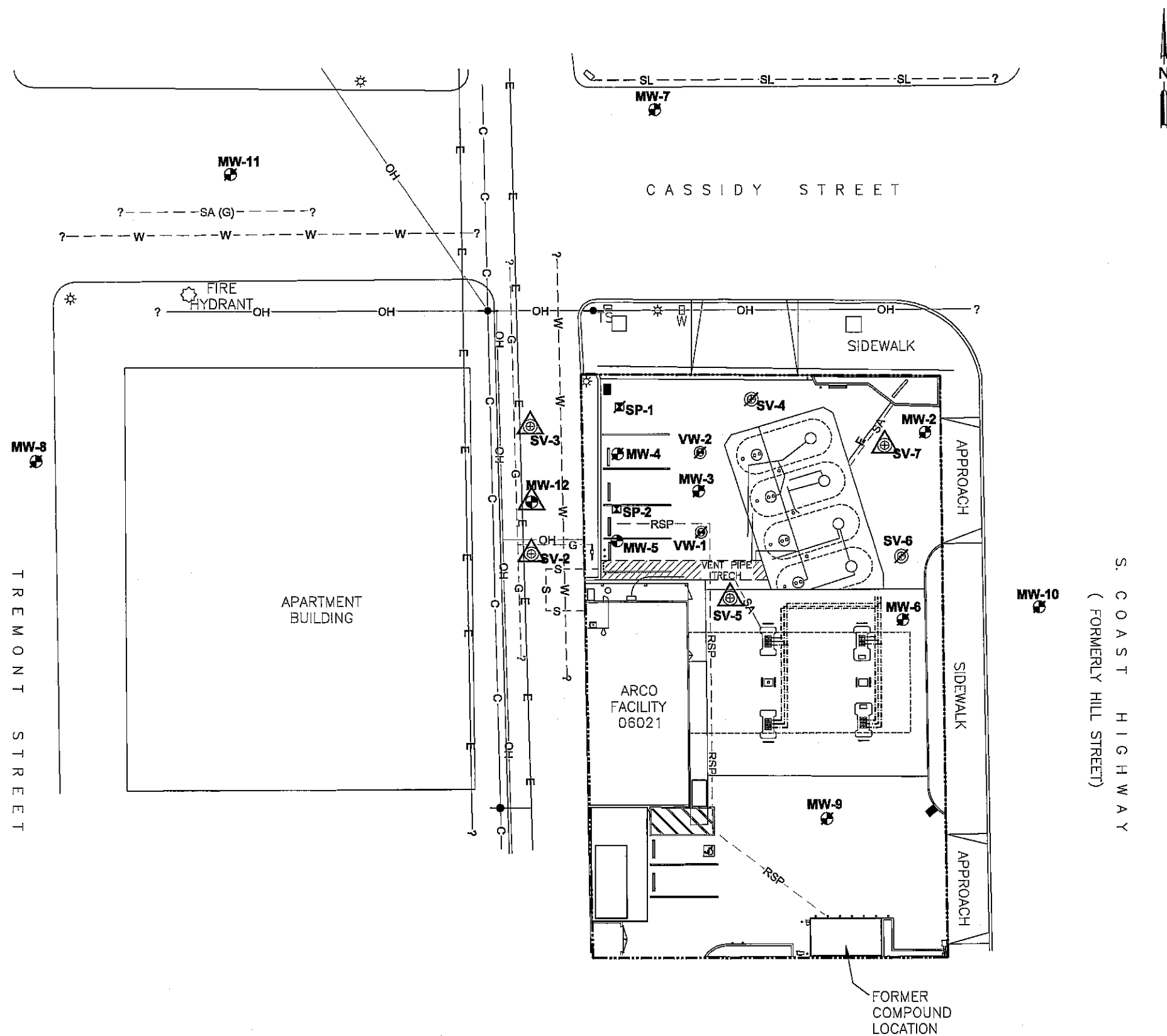
Melissa Garrett
Staff Scientist


Bradley Eisenberg, PG #6872
Senior Geologist



cc: Mr. Danny Martinez - SAM
Ms. Joanna McKeehan – Gregg Drilling & Testing, Inc.

Attachments: Figure 1 – Site Plan with Identified Utilities
Monitoring Well Destruction Permit Cover Sheet



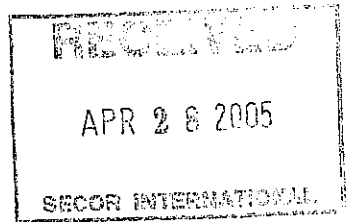
 <p>SECOR 11085 KNOTT AVENUE, SUITE B CYPRESS, CALIFORNIA PHONE: (714)378-3368/FAX: (714)379-3375</p>	<p>FOR: ATLANTIC RICHFIELD COMPANY ARCO FACILITY 06021 1801 SOUTH COAST HIGHWAY OCEANSIDE, CALIFORNIA</p> <p>JOB NUMBER: 06BP.06021.06.0447</p> <p>DRAWN BY: L. RAMIREZ</p>	<p>SITE PLAN WITH IDENTIFIED UTILITIES</p> <p>CHECKED BY: MG APPROVED BY: BE</p>	<p>FIGURE: 1</p> <p>DATE: JULY 2005</p>
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PERMIT #LMON103042
A.P.N. #153-271-19, -22, -25,
153-113-08-00
EST #H20616-002

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL DESTRUCTION PERMIT



SITE NAME: ARCO STATION #6021 & OFF-SITE LOCATIONS

SITE ADDRESS: 1801 S. COAST HWY, IN STREET & SIDEWALKS ADJACENT TO
407 CASSIDY ST & 1749 S COAST HWY, OCEANSIDE, CA 92054

PERMIT TO: **DESTROY 21 GROUNDWATER MONITORING & VAPOR WELLS**

PERMIT APPROVAL DATE: APRIL 26, 2005

PERMIT EXPIRES ON: AUGUST 24, 2005

RESPONSIBLE PARTY: ATLANTIC RICHFIELD COMPANY

PERMIT CONDITIONS:

1. All material within the original borehole, which includes the casing, filterpack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.
2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (http://www.sdcountry.ca.gov/deh/lwq/sam/manual_guidelines.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.
4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 338-2339.

NOTE: This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: _____

M Crystal
MARISUE CRYSTAL

DATE: 04/26/2005

NOTIFIED: 4/26/05 msc